

Docket No. 87358.2140  
Customer No. 30734

**UTILITY PATENT APPLICATION  
UNDER 37 CFR 1.53(b)**

**Mail Stop Patent Application**  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Case Docket No. 87358.2140

Sir:

Transmitted herewith for filing is the patent application of:

INVENTOR(s): Drew Van Norman

FOR: MECHANICAL SEAL DEVICE AND METHOD FOR A SCRAPED SURFACE  
HEAT EXCHANGER

Enclosed are:

- ☒ 17 pages comprised of 1 cover sheet, 10 pages of specification, 5 pages of claims, and 1 page of abstract
- ☐ Declaration & Power of Attorney
- ☐ Priority Claimed from US Provisional Application No. , filed .
- ☐ Certified copy of \_\_\_\_\_
- ☒ 4 sheets of drawings (FIGS. 1-6)
- ☐ An assignment of the invention to \_\_\_\_\_, and the assignment recordation fee.
- ☒ Return Receipt Postcard
- ☐ Information Disclosure Statement, Form PTO-1449
- ☐ Copies of IDS Citations
- ☐ Other: The undersigned hereby declares that this applications meets the qualifications for **Small Entity Status** under 37 C.F.R. 1.9(f) and 1.27(c) - Small Business Concerns - Independent Inventor.
- ☐ Other:

The filing fee has been calculated as shown below:

|   | (1) FOR | (2) NO.<br>FILED | (3) NO.<br>EXTRA | (4) RATE         | (5) AMOUNT |
|---|---------|------------------|------------------|------------------|------------|
| <b>TOTAL CLAIMS</b>                                 | 20      | -20              | 0                | x \$18.00 =      | \$ .00     |
| <b>INDEPENDENT CLAIMS</b>                           | 5       | -3               | 2                | x \$86.00 =      | \$ 172.00  |
| <b>MULTIPLE DEPENDENT CLAIM(S) (If applicable)</b>  |         |                  |                  | + \$290.00 =     | 0.00       |
|   |         |                  |                  | <b>BASIC FEE</b> | \$ 770.00  |
| Total of above calculations                         |         |                  |                  | =                | \$ 942.00  |
| <input type="checkbox"/> Assignment & Recording Fee |         |                  |                  |                  | \$ 00.00   |
|   |         |                  |                  | <b>TOTAL FEE</b> | \$ 942.00  |

☒ Attached is a check in the amount of \$942.00. A duplicate copy of this sheet is enclosed.

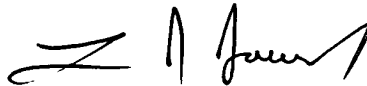
- ☐ Please charge my Deposit Account No. 50-2036 in the amount of \$0.00. A duplicate copy of this sheet is enclosed.
- ☒ The Commissioner is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. 50-2036. A duplicate copy is enclosed.
- ☒ Any additional filing fees required under 37 CFR 1.16.
- ☒ The Commissioner is hereby authorized to charge payment of following fees during the pendency of this application or credit any overpayment to Deposit Account No. 50-2036. A duplicate copy of this sheet is enclosed.
- ☒ Any patent application processing fees under 37 CFR 1.17.
- ☒ Any filing fees under 37 CFR 1.16 for presentation of extra claims.

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Respectfully submitted,

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